

APPLICANTS: SHAKED, Shvat et al.
SERIAL NO.: 09/772,951
FILED: January 31, 2001
Page 15

Clean Version Of Claims For Scanning Per 37 CFR § 1.121

21. A method of controlling access of a user to a service, the method comprising:
 - obtaining a first identifier associated with a communication session of said user over a network;
 - obtaining a second identifier associated with said user from a network access provider (NAP) through which said user is connected to said service, said second identifier associated with said first identifier at said NAP; and
 - controlling access based on said second identifier.
22. A method according to claim 21, wherein said service is selected from the group consisting of e-mail service, electronic banking, financial service, and firewall.
23. A method according to claim 21, wherein said network is selected from the group consisting of an Internet network, a wireless data network, a cellular data network, and a CATV-based data network.
24. A method according to claim 21, further comprising:
 - evaluating the reliability of said second identifier based on predetermined criteria; and
 - determining the level of access to provide to said user based on said reliability.
25. A method for providing a telephone call identifier, the method comprising:
 - obtaining by a network device an identifier associated with a telephone line accessing a data network; and
 - sending said identifier to be associated with a telephone call to a terminating telephone network.
26. A method for verifying that an anonymous network user is an adult, the method comprising:
 - obtaining by a network device account details associated with said user;
 - and

reporting said user as an adult if said account details pertain only to users above a predetermined age.

27. A method according to claim 26, wherein said step of obtaining comprises receiving said account details from a network access provider servicing said user.

28. A method according to claim 26, wherein said account details pertain to at least one user below said predetermined age and further comprising:

obtaining information associated with said account generally known only to adult users of said account;

requesting said user to enter an at least generally significant part of said information; and

reporting said user as an adult if said at least generally significant part matches the corresponding part of said information.

29. A method for handling telephone calls , the method comprising:

obtaining an identifier of a telephone line connecting a user to a data network from a network side of a connection between said user and said data network;

associating said identifier with information for contacting said user over said network; and

configuring incoming telephone calls to said user according to said information.

30. A method according to claim 29, further comprising:

upon receiving said incoming call, sending notification of said incoming call to said user.

31. A method according to claim 29, further comprising at least one of:

forwarding said incoming call to said user over said network;

forwarding said incoming call to said user over a telephone network;

sending to said user information about the origin of said incoming call;

and

receiving from said user at least one order about how to handle said incoming call.

32. A system for handling telephone calls, the system comprising:

an extraction unit able to extract an identifier of a telephone line connecting a user to a data network from a network side of a connection between said user and said network;

an association unit able to associate said identifier with information for contacting a user associated with said telephone number over said network; and

a messenger system communicating with said user over said network using said information for contacting said user.

33. A method for verifying the authenticity of information provided by a user in a communication session over an anonymous network, said user connecting to said network through a network access provider (NAP), the method comprising the steps of:

obtaining account details previously collected by said NAP and associated with said user by said NAP; and

determining the authenticity of said information by comparing said information with said previously verified account details.

34. A method for verifying the authenticity of information provided by a user, the method comprising:

sending by a service provider to a network access provider (NAP) through which said user is engaged in a communication session with said service provider a request to identify said user, said request including said information and an identifier of said communication session; and

receiving a report from said NAP comprising the match results between said information and account details previously collected by said NAP and associated with said user by said NAP .

35. A method for charging for commercial transactions conducted over a network between a user and a merchant, said user account being identifiable by a NAP, the method comprising:
- generating a first account identifier of said user account by said NAP;
 - sending said first account identifier to said merchant; and
 - said merchant sending a billing transaction to a billing entity which charges said user account for access to said NAP.
36. A method according to claim 35, wherein said first account identifier is one of the group consisting of a credit card number, a debit card number, and a bank account number.
37. A method according to claim 35, wherein said network is selected from the group consisting of an Internet network, a wireless data network, a cellular data network, and a CATV-based data network.
38. A method according to claim 35, further comprising:
- inserting by a device said first account identifier into an electronic payment form used by said merchant.
39. A method according to claim 35, wherein said merchant sending is conducted through a NAP of said user, utilizing an existing connection between said NAP and said billing entity.
40. A method according to claim 35, wherein said step of said merchant sending said billing transaction is conducted through an ID switching module, and said first account identifier is a temporary account identifier, said method further comprising:
- generating a second account identifier by one of a group including said ID switching module and a NAP;
 - sending to said ID switching module the association between said first account identifier and said second account identifier; and
 - when said billing transaction is sent, said ID switching module replacing said first account identifier with said second account identifier.

41. A method according to claim 40 wherein said ID switching module is on an existing connection between a NAP of said user and said billing entity.
42. A method for a billing entity to charge a user account for commercial transactions conducted over an anonymous network between a user and a merchant , the method comprising:
 - receiving an identification request for said user account;
 - obtaining an account identifier of said user account from a NAP;
 - generating a temporary identifier of said account;
 - sending said temporary identifier to said merchant; and
 - sending an association between said temporary identifier and said account identifier.
43. A method according to claim 42, wherein said account identifier is one of the group consisting of a credit card number, a debit card number, and a bank account number.
44. The method according to claim 42, wherein said network is selected from at least one of the group consisting of an Internet network, a wireless data network, a cellular data network, and a CATV-based data network.
45. The method of claim 42, further comprising:
 - receiving a billing transaction from said merchant, said billing transaction including said temporary identifier;
 - replacing said temporary identifier with said account identifier; and
 - sending a billing transaction to a billing entity capable of billing said account.
46. A method for charging for commercial transactions conducted over a network between a user and a merchant, said user connecting to said network through a NAP, the method comprising the steps performed by said merchant of:
 - requesting identification for said user from said NAP;
 - automatically receiving an identifier of said user account; and

sending a billing transaction to a billing entity which charges said user account for access to said NAP, said billing transaction including said account identifier.

47. A method according to claim 46, wherein said user account identifier is one of the group consisting of a credit card number, a debit card number, and a bank account number.

48. A method according to claim 46, wherein said network is selected from at least one of the group consisting of an Internet network, a wireless data network, a cellular data network, and a CATV-based data network.

49. A system for a billing entity to charge a user account for commercial transactions conducted over an anonymous network between a user and a merchant, the system comprising:

an identification system operative with a network access provider (NAP), said NAP connected to said billing entity; and

a communication unit connected between said identification system and said merchant, said unit able to send an identifier usable for billing by said billing entity.

50. A system according to claim 49, and further comprising:

a communication unit connected between said identification system and said billing entity, said second unit able to send an association between a temporary identifier and an identifier usable for billing by said billing entity.

51. A system according to claim 49, and further comprising:

an ID switching module in communication with said merchant, said billing entity and said identification system.